



Minnesota Ag News – Crop Weather

USDA, NASS, Minnesota Field Office
P.O. Box 7068 – St. Paul, MN 55107
(651) 201-6030 • (651) 201-6479 FAX

Email: nass-mn@nass.usda.gov - Homepage: <http://www.nass.usda.gov>

Released: July 6, 2010

Issue No: CW-26-10

COOPERATING WITH THE MN DEPARTMENT OF AGRICULTURE, NATIONAL WEATHER SERVICE - CHANHASSEN, MN

UNIV. OF MINN. EXTENSION SERVICE, DNR STATE CLIMATOLOGY OFFICE, USDA-FSA, USDA-NRCS, and Local FACs

SMALL GRAINS MATURING AHEAD OF AVERAGE

After a wet June, consecutive days of sunshine during the week aided crop development, according to the USDA, NASS, Minnesota Field Office. As of July 4, spring wheat was 91 percent headed, compared to 28 percent last year and 62 percent for the five-year average, and 5 percent was ripening. Barley was 89 percent headed, 56 percentage points ahead of last year and 26 points ahead of average, and 6 percent was ripening. Fifty-five percent of spring wheat was rated in good condition, while 77 percent of barley was rated in good to excellent condition. Oats were 93 percent headed, 26 points ahead of last year and 15 points ahead of average, and 19 percent were ripening. Oats were rated with 65 percent in good condition. Producers across the south have begun to harvest small grains for forage in some areas.

Dry conditions reduced topsoil surplus moisture supplies to 32 percent compared to 35 percent last week; however, reporters noted that some low lying areas were still under water. Isolated thunderstorms on Thursday brought heavy rains across the north, and scattered rains prevailed statewide late Saturday and into Sunday, ending the warm, humid week. The statewide average temperature was 1.2° above normal with 4.8 days rated suitable for fieldwork.

Corn was 2 percent silking with a height of 47 inches. Soybeans were 19 percent blooming with a height of 12 inches. Corn was rated 58 percent in good condition and 31 percent in excellent condition, while soybeans were rated 60 percent in good condition and 23 percent in excellent condition. Other crops remained in generally good condition statewide.

The first cutting of alfalfa was 91 percent complete with 59 percent rated in good condition. Range and pasture was rated 2 percent poor, 12 percent fair, 60 percent good, and 26 percent excellent.

Days Suitable for Fieldwork: 4.8

	Very Short	Short	Adequate	Surplus
	----- Percent -----			
Topsoil Moisture	0	2	66	32

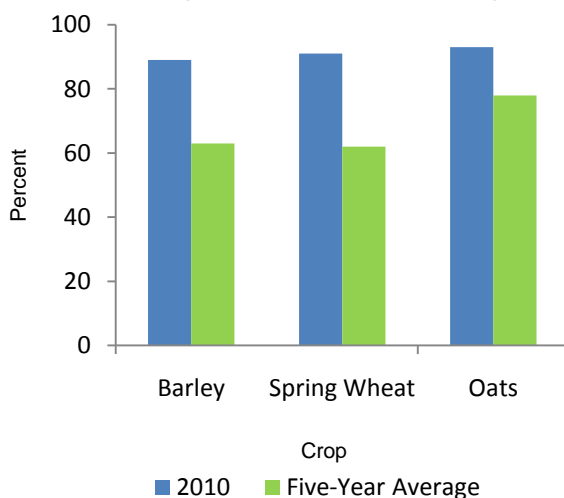
Crop Progress as of July 4, 2010

Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		----- Percent -----			
Corn	Height	47	32	40	44
Corn	Silking	2	0	0	3
Soybeans	Height	12	9	11	11
Soybeans	Blooming	19	7	4	14
Spring Wheat	Jointing	97	90	83	92
Spring Wheat	Heading	91	73	28	62
Spring Wheat	Ripening	5	0	0	4
Barley	Jointing	97	94	82	91
Barley	Heading	89	80	33	63
Barley	Ripening	6	1	1	5
Oats	Heading	93	81	67	78
Oats	Ripening	19	5	3	10
Sweet Corn	Planted	99	95	100	99
Alfalfa	First Cutting	91	84	93	95

Condition as of July 4, 2010

	Very Poor	Poor	Fair	Good	Exc
----- Percent -----					
Pasture	0	2	12	60	26
Oats	1	2	11	65	21
Spring Wheat	1	4	11	55	29
Barley	3	5	15	43	34
Sugarbeets	0	4	11	67	18
Corn	0	2	9	58	31
Alfalfa	2	5	17	59	17
Potatoes	0	1	9	68	22
Soybeans	0	3	14	60	23
Canola	12	18	32	36	2
Green Peas	0	1	10	61	28
Sunflowers	3	5	13	71	8
Dry Beans	0	2	19	68	11

Heading: July 4 vs. 5-Yr Average



The following links provide further weather-related information and maps for Minnesota:

Minnesota Climatology Working Group provides statewide precipitation maps for the previous week:
<http://climate.umn.edu/doc/weekmap.asp>

National Weather Service's Minnesota Data:
<http://www.nws.noaa.gov/view/states.php?state=MN>

PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING July 4, 2010:
Temperatures averaged from 1.0 degree below normal in the Southeast District to 3.8 degrees above normal in the Northwest District. Extremes: 35 degrees in Hibbing; 94 degrees in Moorhead. Average precipitation ranged from 1.01 inches below normal in the South Central District to 2.89 inches above normal in the North Central District. Greatest weekly total of 6.17 inches was recorded in International Falls.

For a map of Minnesota's precipitation, please see the Minnesota Climatology Group's website; <http://climate.umn.edu/doc/weekmap.asp>.

Precipitation and Temperature Summary for 6/28/2010 through 7/4/2010

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	Four Weeks	From Norm 4/1	Since April 23	Depart from Norm
<u>NW DIST 1</u>										
Crookston	93	49	72.2	4.1	.06	-.73	-.75	2.06	949	57
Itasca	90	44	69.5	4.8	2.58	1.60	2.93	3.01	809	102
Moorhead	94	50	74.2	5.2	.53	-.23	1.21	1.03	1027	94
Warroad	89	45	67.0	1.1	1.16	.25	-.10	3.58	741	-8
<u>NC DIST 2</u>										
Grand Rapids	89	42	68.1	2.1	1.63	.50	2.14	.89	857	85
Intl. Falls	87	36	64.8	.1	6.17	5.28	4.44	4.78	751	29
<u>NE DIST 3</u>										
Duluth	88	42	66.2	2.7	.58	-.43	.62	2.33	713	84
Grand Marais	83	46	62.4	5.2	.54	-.27	.67	-.56	382	3
Hibbing	90	35	65.1	.8	1.80	.68	.51	-.20	808	122
<u>WC DIST 4</u>										
Alexandria	92	50	71.6	3.1	1.16	.26	-.40	-2.27	939	56
Browns Valley	90	48	72.0	1.4	.95	.14	1.54	.98	939	-50
Canby	90	52	72.8	1.0	.39	-.51	2.25	-.13	1023	-21
Dalton	90	54	71.7	2.9	.60	-.24	-.13	-1.43	967	48
Montevideo	90	51	70.6	-.1	.70	-.21	1.67	-.39	965	-31
Morris	90	51	71.5	1.6	1.06	.11	.35	-.86	958	-15
Wheaton	92	51	72.4	2.0	.95	.11	-.01	-1.06	971	4
<u>CENT DIST 5</u>										
Becker	90	50	71.6	2.7	.11	-.91	5.35	3.81	1015	93
Collegeville	91	50	71.6	.9	.16	-.81	.63	-1.13	1036	16
Hutchinson	90	53	70.8	-.2	.20	-.77	-.08	1.99	1045	22
Melrose	90	44	67.2	-2.8	.68	-.26	.46	-1.41	910	-43
Olivia	89	52	69.7	-.8	.10	-.86	2.59	.50	967	-38
St. Cloud	91	47	70.5	2.1	.06	-.86	-.19	-1.65	986	101
Staples	90	46	69.9	3.8	.99	.04	.45	-.42	899	101
Wadena	88	46	69.7	3.6	1.38	.43	1.62	.50	834	37
Willmar	90	55	71.4	1.1	.94	-.13	3.53	3.25	1016	28
<u>EC DIST 6</u>										
Aitkin	88	39	67.6	2.2	.50	-.58	-.94	-1.10	851	109
Forest Lake	91	50	70.4	.8	.02	-1.05	.23	-.37	1026	65
Hinckley	88	45	66.4	-.1	0	-1.04	2.60	2.12	806	33
MSP Airport	92	57	73.9	2.1	.10	-.88	1.37	.81	1148	98
St. Paul - UofM	89	52	71.4	.1	.10	-1.00	.59	-1.58	1030	3
<u>SW DIST 7</u>										
Lamberton	92	56	74.2	2.7	.15	-.72	2.22	.60	1094	42
Marshall	90	44	67.5	-4.1	.81	-.05	4.00	2.27	1047	0
Pipestone	86	51	70.5	.2	.15	-.70	3.12	3.23	950	-26
Redwood Falls	92	54	72.4	-.1	.11	-.82	4.19	2.88	1097	-15
Worthington	87	51	70.6	.5	.05	-.92	2.30	1.18	1018	61
<u>SC DIST 8</u>										
Faribault	89	51	72.0	1.6	.05	-.92	1.08	-.22	1057	85
Mankato	89	51	70.5	-.6	0	-1.19	4.46	1.90	1031	5
Waseca	88	52	69.8	-.7	.06	-.93	4.63	2.80	1053	41
Winnebago	89	53	71.8	.3	0	-1.00	2.07	.22	1096	48
<u>SE DIST 9</u>										
Preston	88	45	69.6	.1	.08	-1.00	3.20	3.02	1067	144
Red Wing	90	52	71.3	.5	0	-.97	2.57	1.52	1075	69
Rochester	86	51	68.3	-.8	.27	-.74	2.97	.44	1033	113
Rosemount	89	52	69.6	-.4	.40	-.67	1.46	.55	1020	56
Winona	88	42	67.8	-3.5	0	-.94	3.80	2.17	1018	-7

Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum of 50 degrees.

The MINNESOTA WEEKLY CROP-WEATHER REPORT (USPS-387190) is published weekly in April through November (crop season). Subscription rates are \$15.00 per year for non-reporters and free to survey respondents by the USDA-NASS Minnesota Field Office, P O Box 7068, St. Paul, MN 55107. Periodicals postage paid at St. Paul, Minnesota and other mailing offices. POSTMASTER: Send address changes to the MINNESOTA WEEKLY CROP-WEATHER REPORT, P O Box 7068, St. Paul, MN 55107.

WEEKLY NEWS REPORT
Minnesota Crop-Weather Report
Publication No. 387190
Address Service Requested

USDA, NASS, Minnesota Field Office
PO Box 7068, ST. PAUL MN 55107

PRESORTED
FIRST CLASS MAIL
POSTAGE & FEES PAID
USDA PERMIT NO G-38